Amendments to the Claims:

Please amend the claims as shown.

1. (currently amended) A steam turbine rotor extending along an axial extent comprising:

an outer side adjoining an outer space arranged to receive a main flow of a fluid working medium, wherein the outer side is formed by a shielding plate which can rotate with the rotor;

a first location arranged along the outer side, at which a first blade is held; and

at least one integrated passage extending continuously at least between a first region arranged in front of the first location and a second region arranged behind the first location,

wherein a cooling medium is provided and guided at a pressure that is modified as a function of a pressure of the main flow.

- 2. (previously presented) The steam turbine rotor as claimed in claim 1, wherein a second location arranged along the outer side, at which a second blade is held, the second location arranged behind the first location along the axial extent and the passage extending continuously at least between a first region arranged in front of the first location and a second region arranged behind the second location.
- 3. (previously presented) The steam turbine rotor as claimed in claim 2, wherein a number of further locations, at each of which a blade is held, are arranged between the first location and the second location.
- 4. (previously presented) The steam turbine rotor as claimed in claim 1, wherein the at least one passage is part of a combined passage system which extends along the axial extent.
- 5. (previously presented) The steam turbine rotor as claimed in claim 1, wherein the at least one passage is part of a combined passage system which has an external feed which is provided for the incoming flow of cooling medium.

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Atty. Doc. No. 2002P10620US

6. (previously presented) The steam turbine rotor as claimed in claim 1, wherein the at least one passage is part of a combined passage system which includes a channel which at least partially encircles a circumferential extent of the rotor.

7. (previously presented) The steam turbine rotor as claimed in claim 1, wherein the first region has a first opening to the main flow.

8. (previously presented) The steam turbine rotor as claimed in claim 1, wherein the second region has a second opening to the main flow.

9. (cancelled)

- 10. (currently amended) The steam turbine rotor as claimed in claim 1, wherein a the shielding plate which can rotate with the rotor is held by a blade.
- 11. (currently amended) The steam turbine rotor as claimed in claim 9-1 wherein a shield for the rotor shaft with respect to the main flow of the steam is at least partially formed by a blade root.
- 12. (previously presented) The steam turbine rotor as claimed in claim 1, wherein the passage leads through a blade, in particular through a blade root.
- 13. (currently amended) The steam turbine rotor as claimed in claim 1, further comprising a groove at a blade root, which groove is part of the rotor-passage.
- 14. (previously presented) The steam turbine rotor as claimed in claim 1, further comprising a bore through a single blade root and/or a bore through two adjacent blade roots, which bore is part of the passage.

15. (currently amended) A steam turbine rotor extending along an axial extent comprising:

an outer side adjoining an outer space arranged to receive a main flow of a fluid working medium;

a first location arranged along the outer side, at which a first blade is held;

at least one integrated passage extending continuously at least between a first region arranged in front of the first location and a second region arranged behind the first location.

The steam turbine rotor as claimed in claim 1, further comprising a channel in a main blade part, which channel is connected to the passage and permits axial flow directly from the first region to the second region: and

wherein a cooling medium is provided and guided at a pressure that is modified as a function of a pressure of the main flow.

16. (currently amended) The steam turbine rotor as claimed in claim 1, wherein a thermally insulating coating made from a material which has a lower heat conduction coefficient than the <u>a</u> base material of the blade is provided on a blade surface.

17. (cancelled)

18. (previously presented) A method for actively cooling a steam turbine rotor extending along an axial extent and having an outer side, which adjoins an outer space which is intended to receive a main flow of a fluid working medium and having a first location along the outer side, at which a first blade is held, comprising:

providing a fluid cooling medium; and guiding the fluid cooling medium continuously within the steam turbine rotor along the axial extent, at least between a first region arranged in front of the first location and a second region arranged behind the first location,

wherein the method is used for starting up and/or running down a steam turbine.

- 19. (previously presented) The method for actively cooling a steam turbine rotor as claimed in claim 18, wherein the steam turbine rotor has a second location along the outer side, at which a second blade is held, the second location arranged behind the first location along the axial extent, and the fluid cooling medium guided continuously at least between a first region arranged in front of the first location and a second region arranged behind the second location.
- 20. (previously presented) The method for actively cooling a steam turbine rotor as claimed in claim 19, further comprising:

guiding the cooling medium in a combined passage system along the axial extent over the first location and the second location and a number of intervening further locations, at each of which a blade is held.

21. (previously presented) The method for actively cooling a steam turbine rotor as claimed claim 18, further comprising:

feeding the cooling medium to the steam turbine rotor from the outside.

22. (previously presented) The method for actively cooling a steam turbine rotor as claimed in claim 18, further comprising:

guiding the cooling medium at a pressure which exceeds a pressure of the main flow.

23. (previously presented) The method for actively cooling a steam turbine rotor as claimed in claim 18, further comprising:

guiding the cooling medium at a pressure which is modified as a function of a pressure of the main flow.

24. (previously presented) The method for actively cooling a steam turbine rotor as claimed in claim 18, further comprising:

supplying the cooling medium at a temperature and/or in an amount which is/are modified as a function of a temperature of the main flow.

25. (canceled)